

Hypothermia: Lake Michigan's Year-Round Subtle Danger



Approximate Survivability Time at Various Temps

Water Temp (°F)	Exhaustion or Unconsciousness	Survival Time
0°-32°	< 15 minutes	15-45 minutes
33°-40°	15-30 minutes	30-90 minutes
41°-50°	30-60 minutes	1-3 hours
51°-60°	1-2 hours	1-6 hours
61°-70°	2-7 hours	2-36 hours
71°-80°	3-12 hours	Indefinite
Over 80°	Indefinite	Indefinite

Courtesy: U.S. Coast Guard Great Lakes

- Hypothermia is serious, affecting major organs like the brain, heart and lungs, which can lead to permanent damage and even *death*
- Average body temperature (98.6°F) only needs to fall 3.6°F to (95°F or cooler) to induce conditions favoring hypothermia *see the [1-10-1 Rule](#)*
- Body temperature cools 25 times faster in cold water than in cold air
- Remember, you don't have to be swimming to increase your risk ...accidents are always possible (boating, fishing, hiking near the lake etc.)



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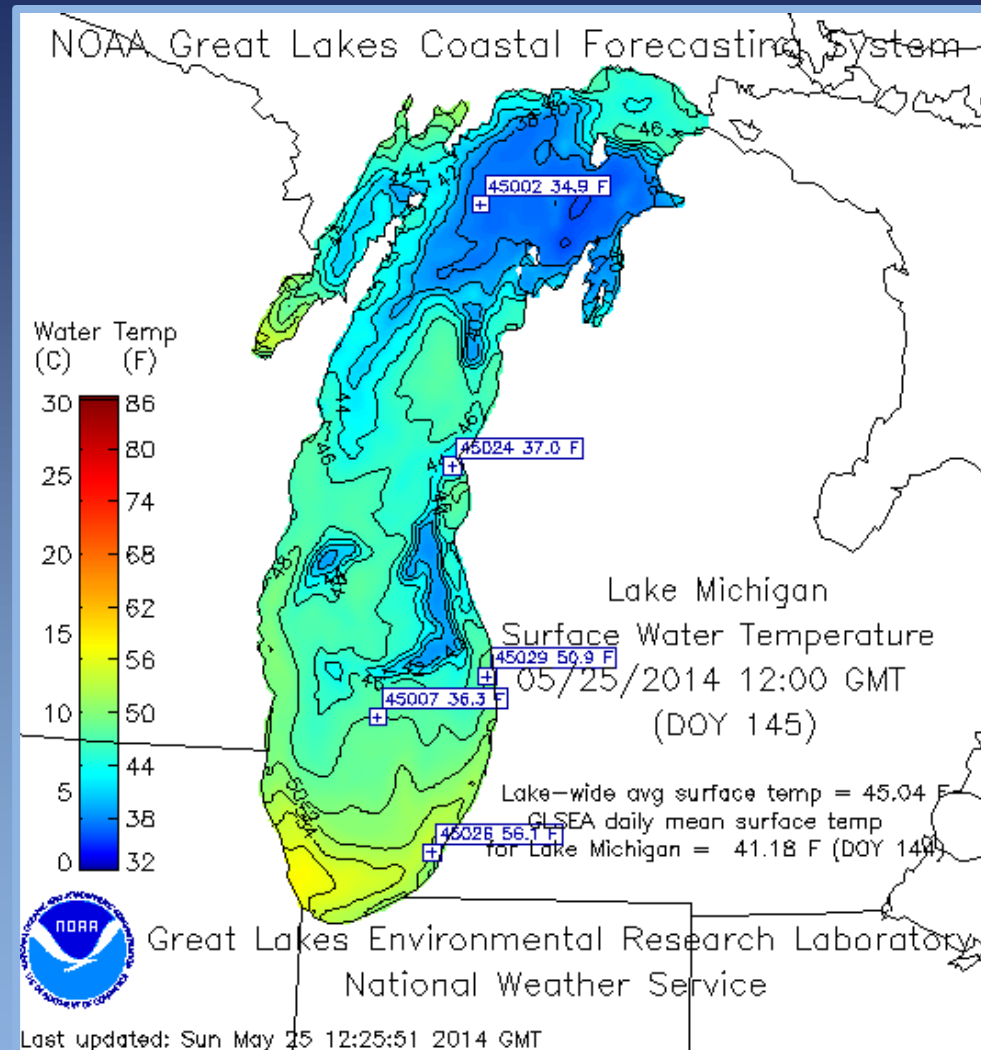


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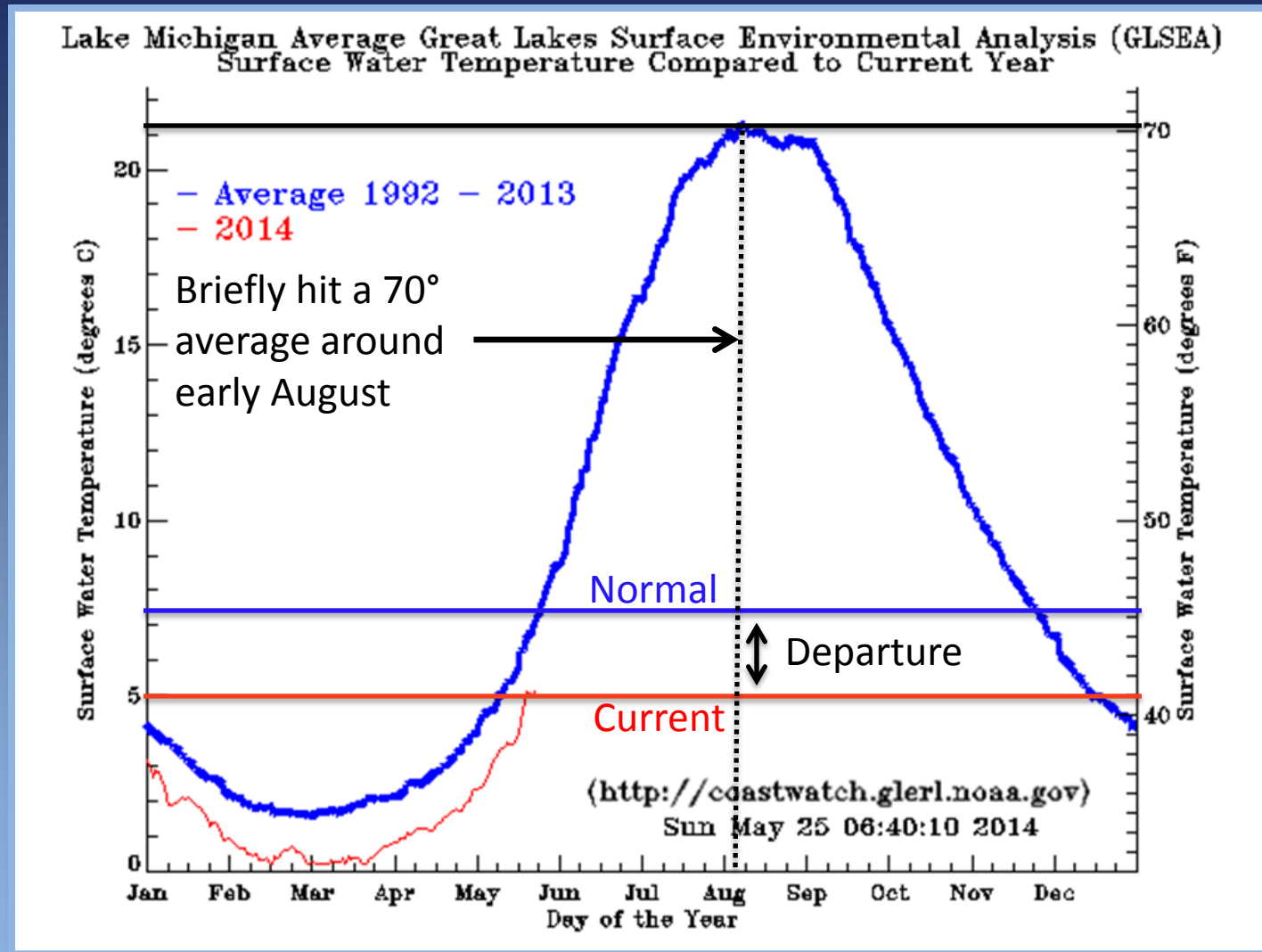
It's Late May...Water Temperatures Say Otherwise

- Lake temperatures currently range anywhere from low 30s to the mid 50s
- Water temperatures can change drastically from one beach location to another, as well as at differing water depths from the shore
- Traveling between locations of cooler to warmer waters could provide a false sense of security...that water conditions are "safer"
- Even water temperatures in the 60s could lead to the onset of hypothermia in as little as a couple of hours
- Milder waters of 60°F could lead to a more gradual onset of hypothermia, making signals less noticeable or immediate to one's self

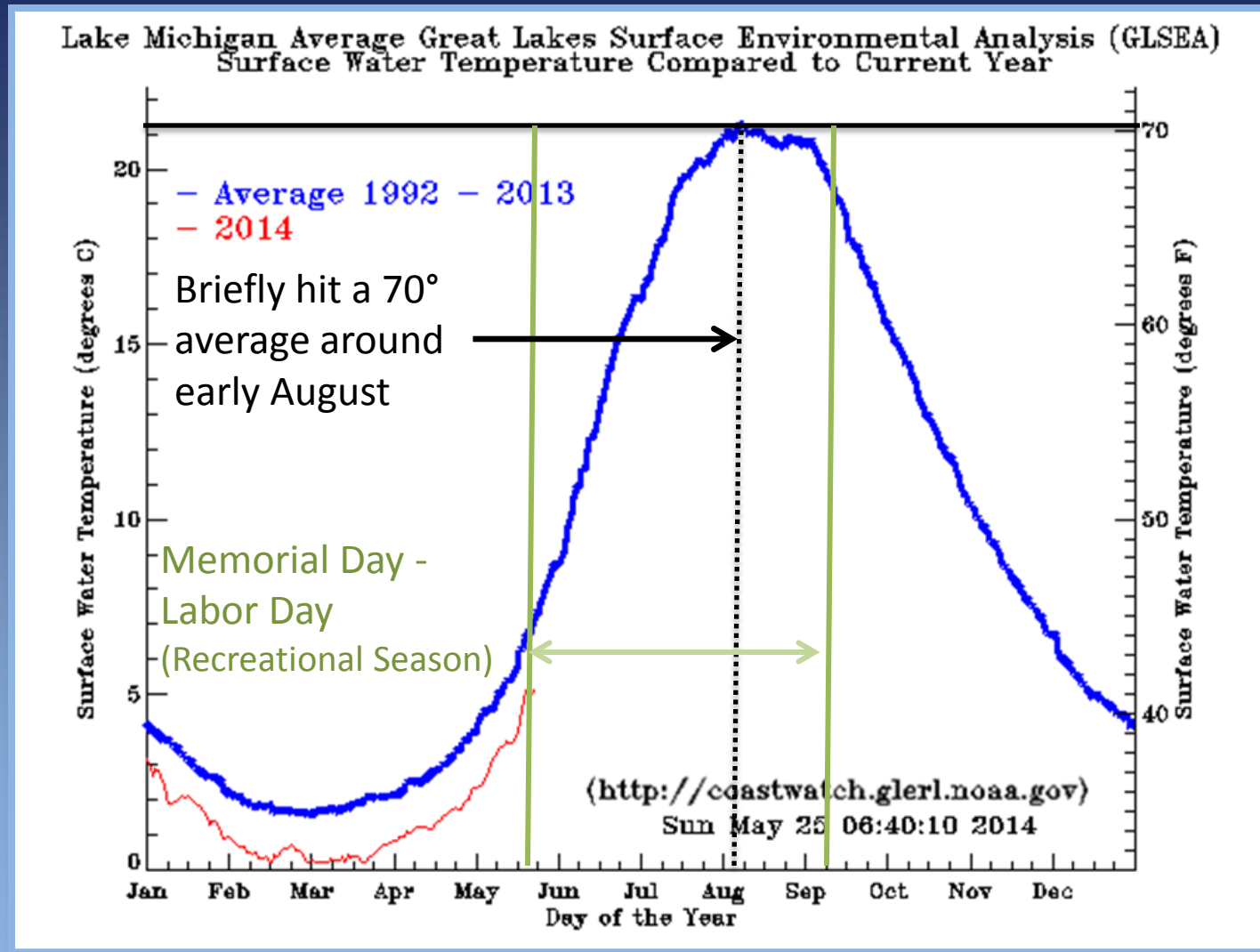
[Click here for detailed water temperatures](#)



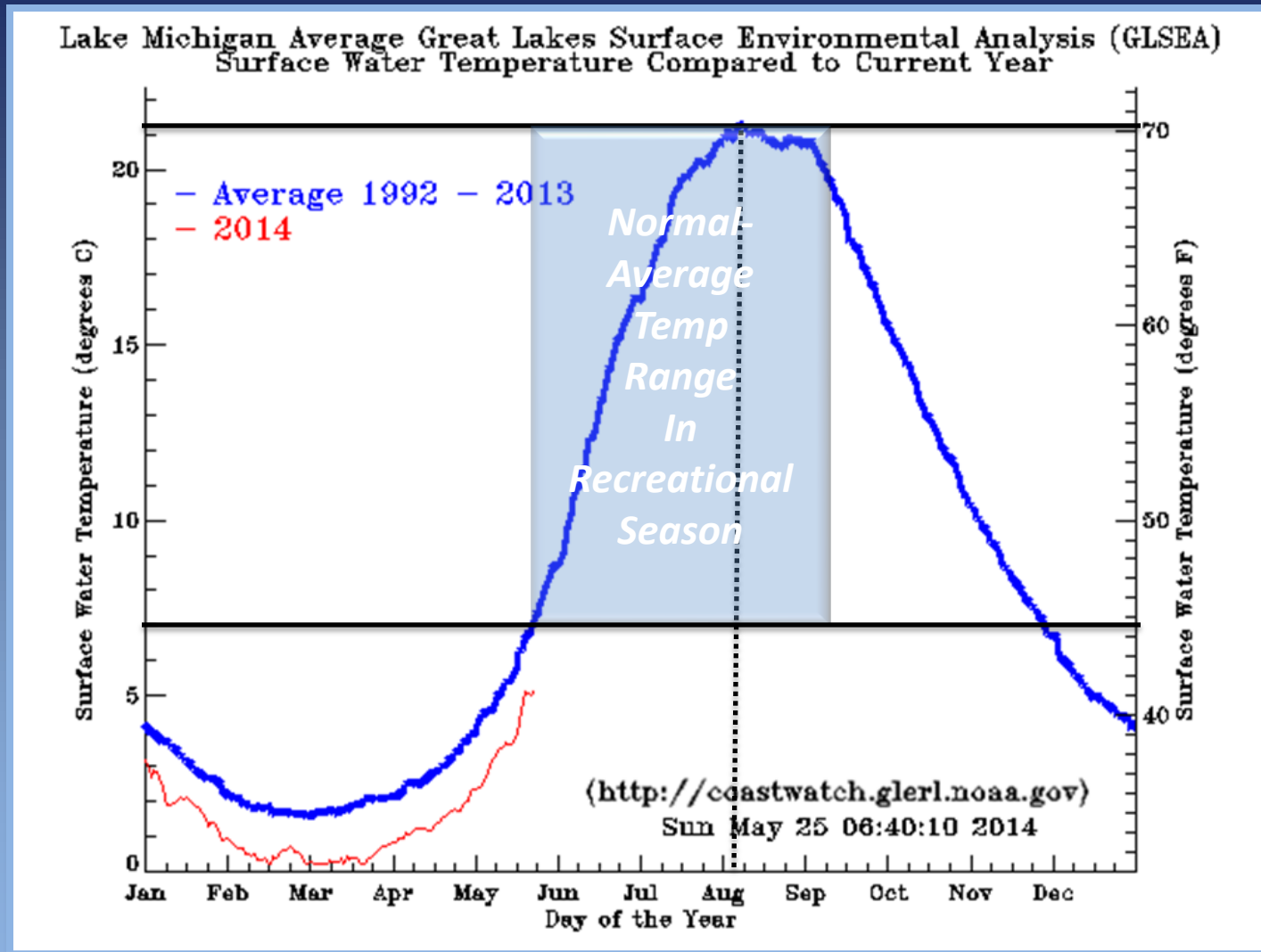
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Increasing Your Odds of Survival in Cold Water

- Always carry a life jacket or floating device, not just to keep afloat, but also to decrease the energy you would otherwise have to use to stay afloat by swimming
- Do not try to swim (you're losing heat energy!) to shore, unless the it is reachable or very close...many times people misjudge how close the shore may be
- Devote your effort to getting out of the water only if you are very near the shoreline or are able to climb atop a nearby floating object
- You must stay calm to decrease the chances of losing body heat at a faster rate
- Stay clothed to keep body heat closer to the body
- If in a group, huddle together to preserve heat

For full details on identifying hypothermia and other safety tips, please visit:

- [Official Blog of the 9th Coast Guard District, "Hypothermia Kills: These tips can save your life"](#)
- [Official Blog of the U.S. Coast Guard Auxiliary, "Cold Water Survival – The 1-10-1 Rule"](#)
- [Minnesota Department of Natural Resources, "Hypothermia"](#)



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